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0213646.3 13 June 2002 (13.06.2002) GB(71) Applicants (*for all designated States except US*): **GLAXO GROUP LIMITED** [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB). **CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LTD** [GB/GB]; The Old Schools, Cambridge University, Cambridge, Cambridgeshire CB2 1TS (GB). **THE CATHOLIC UNIVERSITY OF NIJMEGEN** [NL/NL]; P.O. Box 9102, NL-6500 HC Nijmegen (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **CAMILLERI, Patrick** [MT/GB]; c/o GlaxoSmithKline, New Frontiers Science Park South, Third Avenue, Harlow, Essex CM19 5AW (GB). **FEITERS, Martinus, C** [NL/NL]; c/o The Catholic University of Nijmegen, P.O. Box 9102, NL-6500 HC Nijmegen (NL). **KIRBY, Anthony, John** [GB/GB]; Cambridge University Technical Services Ltd, The Old Schools, Cambridge University, Cambridge, Cambridgeshire CB2 1TS (GB). **RON SIN, Gael, Alain, Bertrand** [FR/GB]; c/o Cambridge University TechnicalServices Ltd, The Old Schools, Cambridge University, Cambridge, Cambridgeshire CB2 1TS (GB). **NOLTE, Roeland, Johannes, Maria** [NL/NL]; P.O. Box 9010, 6500 GL Nijmegen (NL). **GARCIA, Cristina, Leonor** [ES/ES]; c/o P.O. Box 9010, NL-6500 GL Nijmegen (NL).(74) Agent: **THOMPSON, Clive, Beresford**; CN925.1, 980 Great West Road, Brentford, Middlesex TW7 9GS (GB).(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DIAMINOACID-AMINOACID-POLYAMINE BASED GEMINI SURFACTANT COMPOUNDS

(57) Abstract: Diaminoacid-polyamine: peptide-based gemini compounds are disclosed. The compounds are based on diaminoacid-polyamine or diaminoacid-aminoacid-polyamine backbone with peptide groups and optionally hydrocarboxyl groups linked thereto. Uses of the diaminoacid-polyamine: peptide-based gemini compounds and methods for their production are also disclosed.



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# INTERNATIONAL SEARCH REPORT

International Application No

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C237/10 C07C237/16 C07C271/22 C07D295/12 C12N15/87  
A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00 77032 A (GUEDAT PHILIPPE ;CAMILLERI PATRICK (GB); UNIV CAMBRIDGE TECH (GB);) 21 December 2000 (2000-12-21) cited in the application examples	1-30
A	WO 00 27795 A (LIFE TECHNOLOGIES INC) 18 May 2000 (2000-05-18) cited in the application page 32 -page 36	1-30
A	US 5 744 335 A (FRITZ JEFFERY ET AL) 28 April 1998 (1998-04-28) column 2, line 6 -column 5, line 34 -/-	1-30

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

O'Sullivan, P

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MCGREGOR, C ET AL: "Rational approach to the design of cationic gemini surfactants for Gene delivery"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY., vol. 123, no. 26, 2001, pages 6215-6220, XP002252235</p> <p>AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC., US</p> <p>ISSN: 0002-7863</p> <p>schemes 1 and 2</p>	1-30

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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